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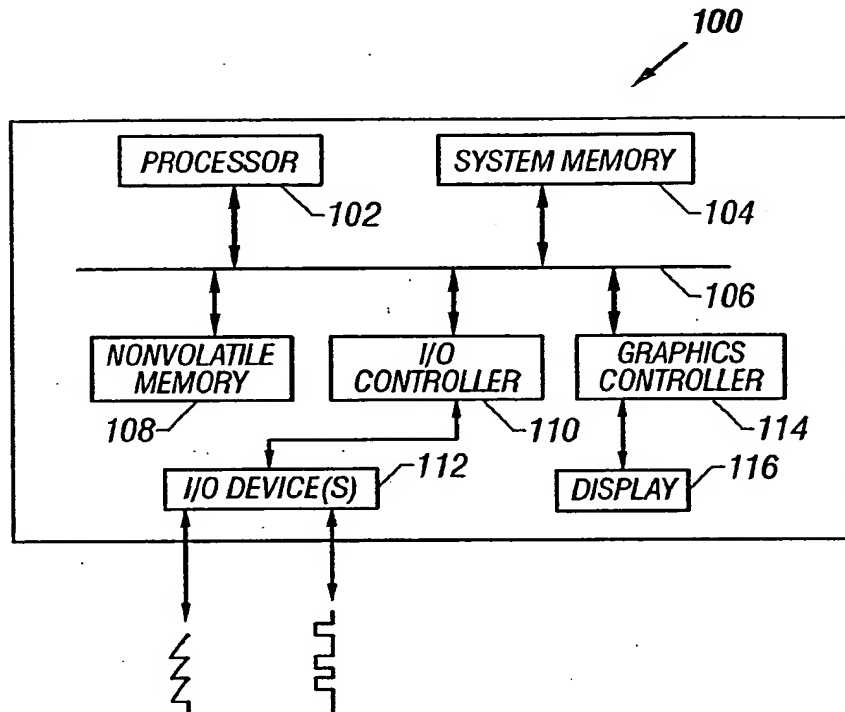


FIG.1

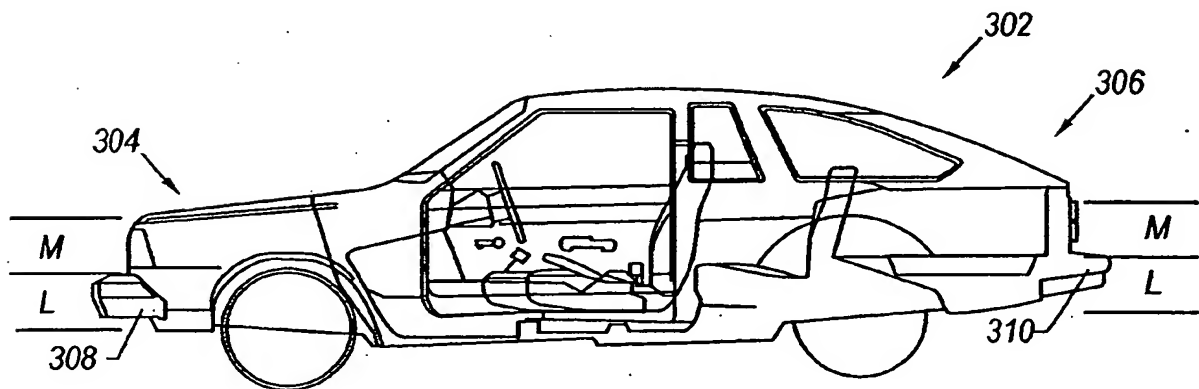


FIG.3

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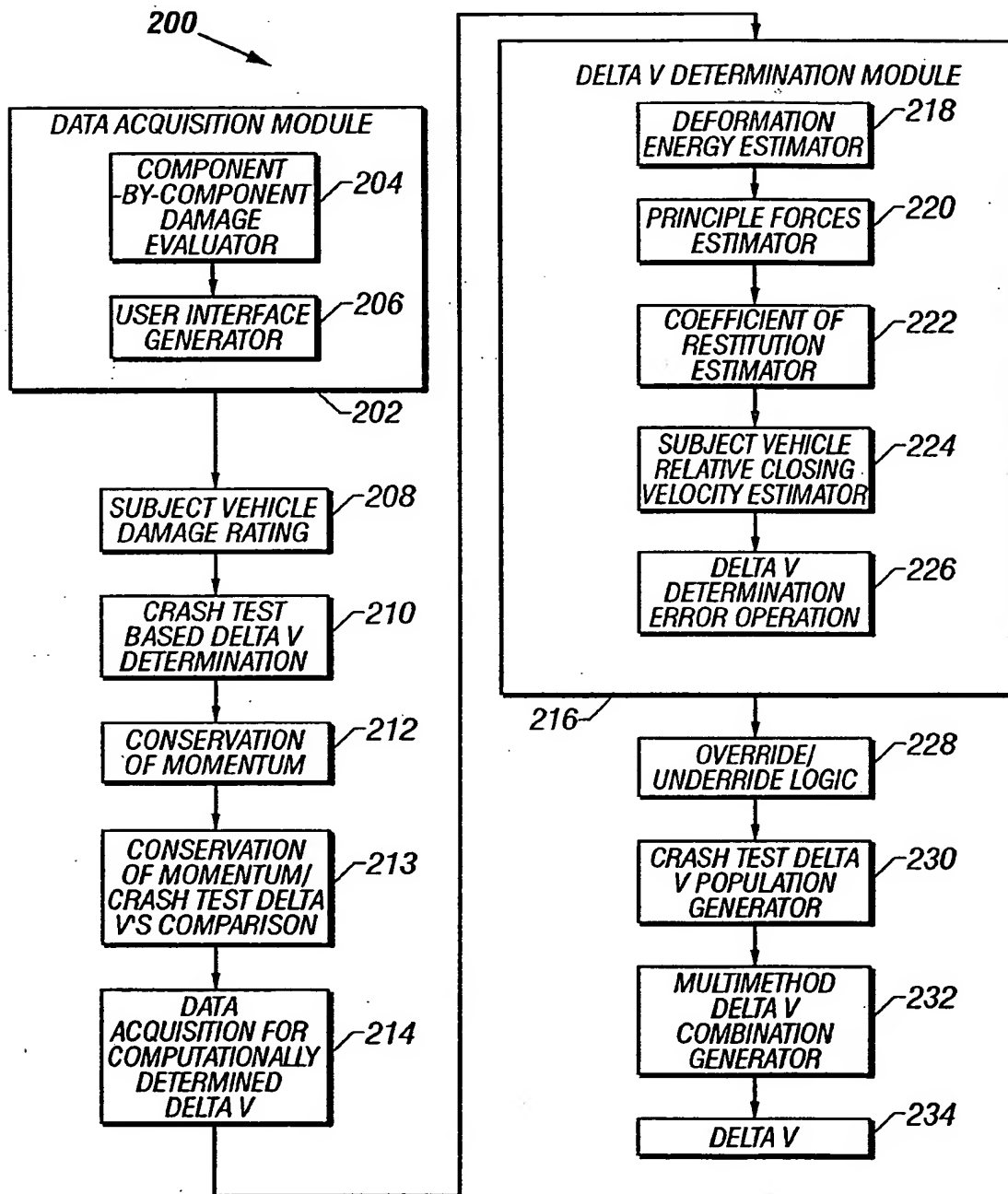


FIG.2

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402

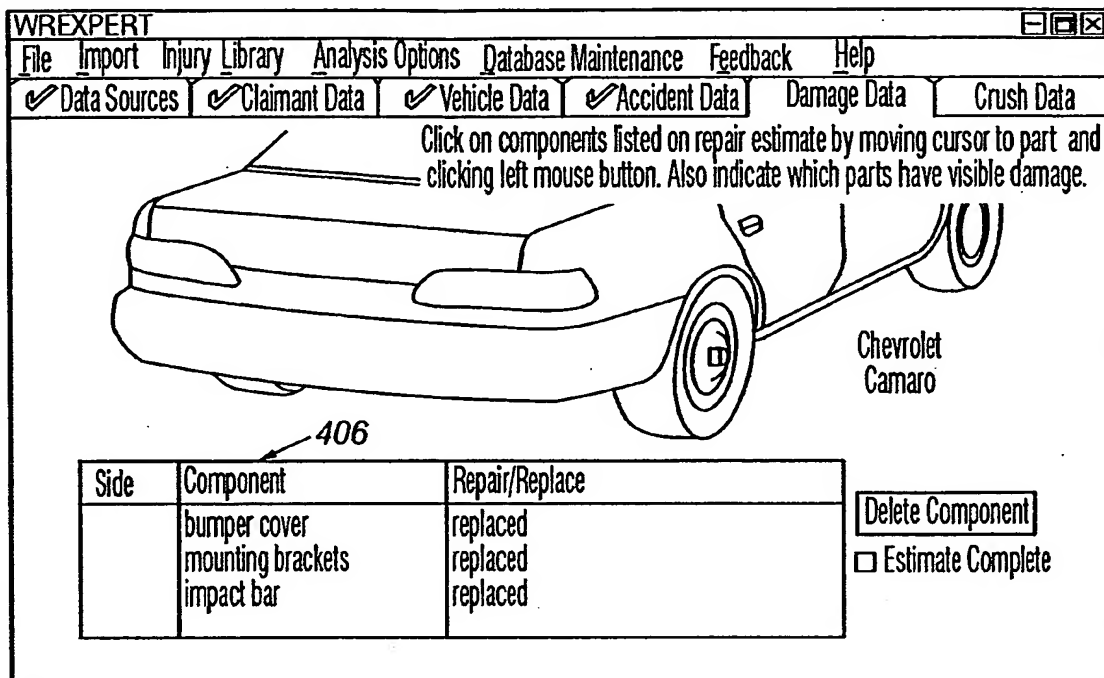


FIG.4A

404

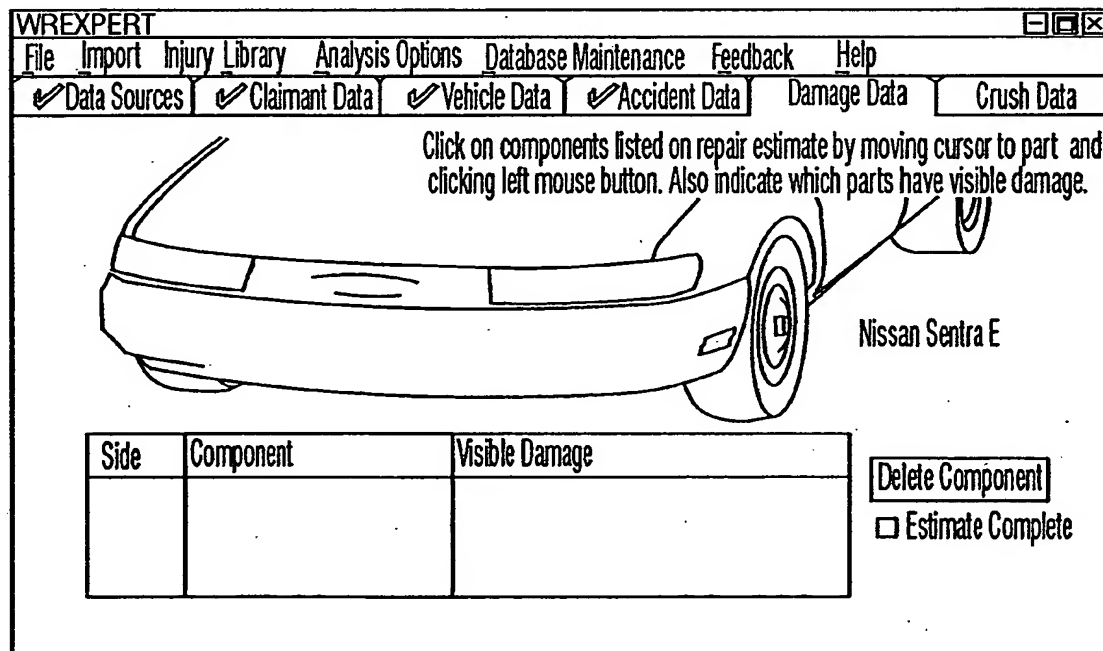


FIG.4B

204413 3403403

APPROVED	FIG.
CLASS	SUBCLASS

Key Docket No.: M-5617-1P US
First Inventor: John B. Bomar, Jr.
Title: System And Method For Estimating Post-Collision Vehicular Velocity Changes

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WExpert-Smith, John 1

File Import Injury Library Analysis Options Database Options Feedback Help

☒ Vehicles

☒ Claimant

☒ Configuration

☒ Suburban

☒ Miata

☐ Crush

Crush Description

Crush Questions

Indicate the absence/presence of crush via the Damage type selections. If crush is indicated then enter the amount in inches via the keyboard or the mouse. Left mouse will add crush. Right mouse will reduce crush

☐ Crush Complete

Damage Type

☐ No Crush

☒ Crush

Selection Width 8.2"

Overhang N/A

Examples

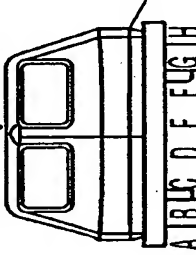
Crush by Sector

Edit Induced

Chevrolet Suburban C20

Crush Damage Location

A B C D E F G H



Damage Type

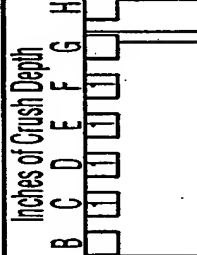
☒ No Crush

☐ Crush

502

Inches of Crush Depth

A B C D E F G H



524

522

Mazda Miata

You have Indicate No Crush for this Vehicle. Data Entry is not Required.

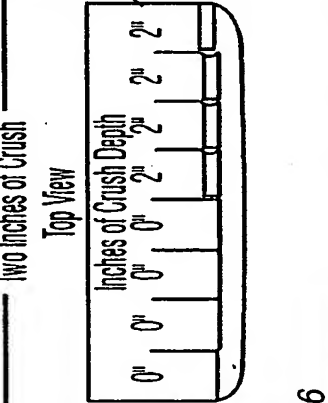
FIG.5A

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WREXPRT

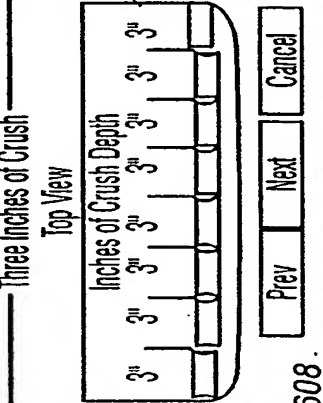
Crash Examples

Two Inches of Crush



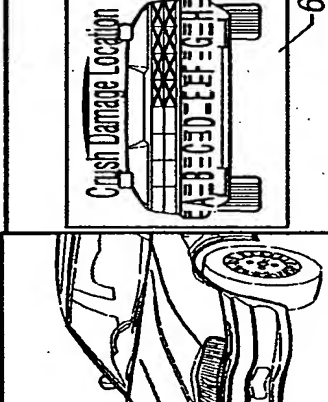
610

Three Inches of Crush



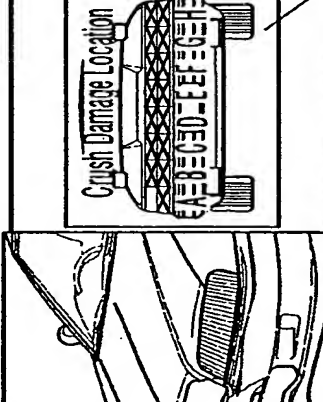
612

Crush Damage Location



606

Crush Damage Location



608

602

604

Prev

Next

Cancel

FIG. 6

2024-10-23 09:45:43

APPROVED Q. & A. FIG.
CLASS SUBCLASS

Key Docket No.: M-5617-1P US
First Inventor: John B. Bomar, Jr.
Title: System And Method For Estimating Post-Collision Vehicular Velocity Changes

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WIREXPERT

File

Import

Injury Library

Analysis Options

Database Maintenance

Feedback

Help

☒ Data Sources

☒ Claimant Data

☒ Vehicle Data

☒ Accident Data

Damage Data

Crash Data

Question

7. The induced damage was on which side of the Mazda Miata (looking from the driver's viewpoint)?

Answer Selection

driver side

passenger side

both

Why?

Exit Q/A

Restart

From the Q and A History, select the question from which to restart. Select the Restart button

Restart

Q and A History

#	Question	Answer
1	Do either of the vehicles have any modifications which would	no
2	Were either of the vehicles towing a trailer or another object?	no
3	Does the claimant's Mazda Miata have any visible damage	yes
4	Was the damage to then claimant's Mazda Miata caused	no

FIG.7A

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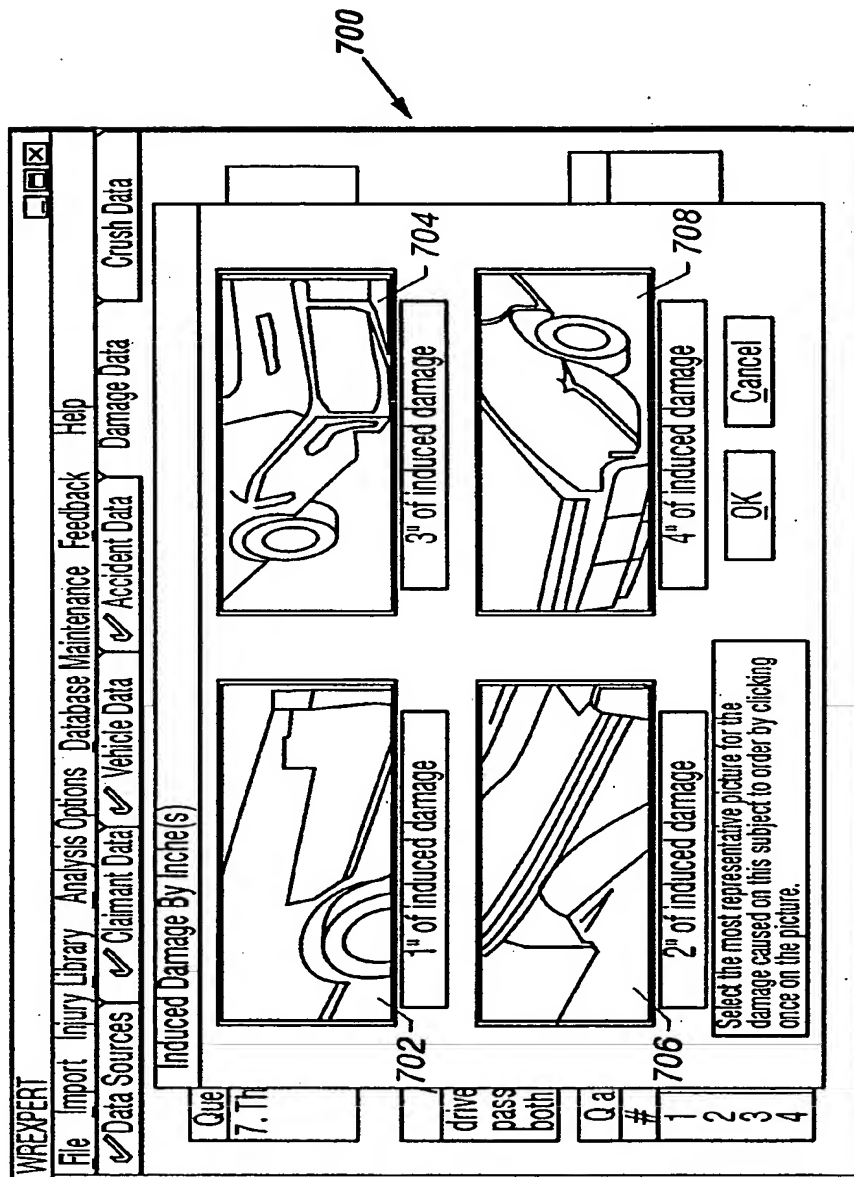


FIG. 7B

APPROVED	U.S. P.O.
CLASS	SUBCLASS
DATE	BY

Key Docket No.: M-5617-1P US
 First Inventor: John B. Bomar, Jr.
 Title: System And Method For Estimating Post-Collision Vehicular Velocity Changes

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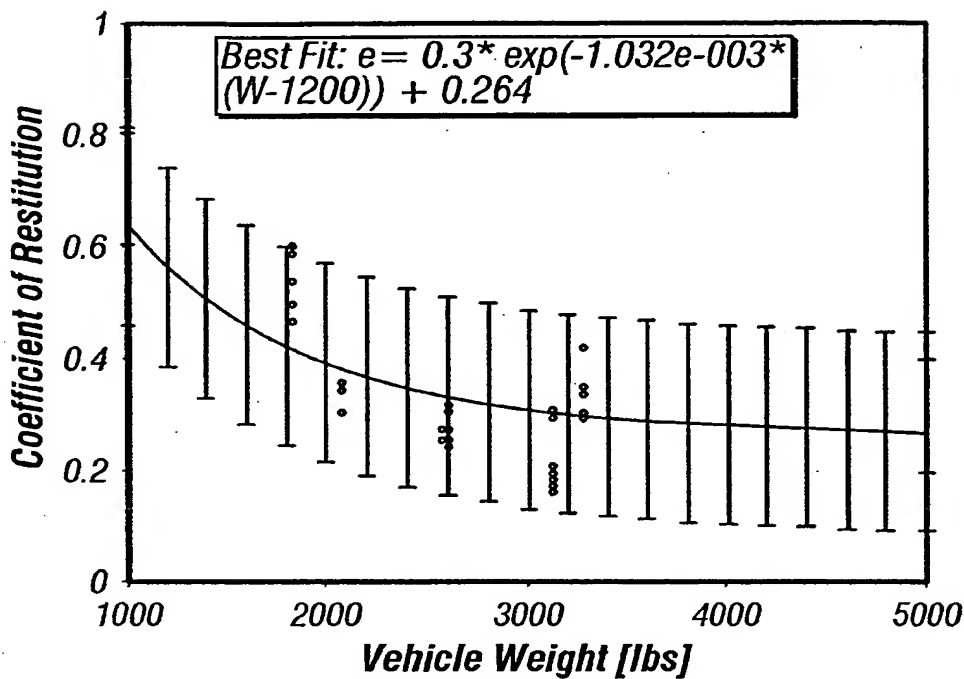


FIG.8

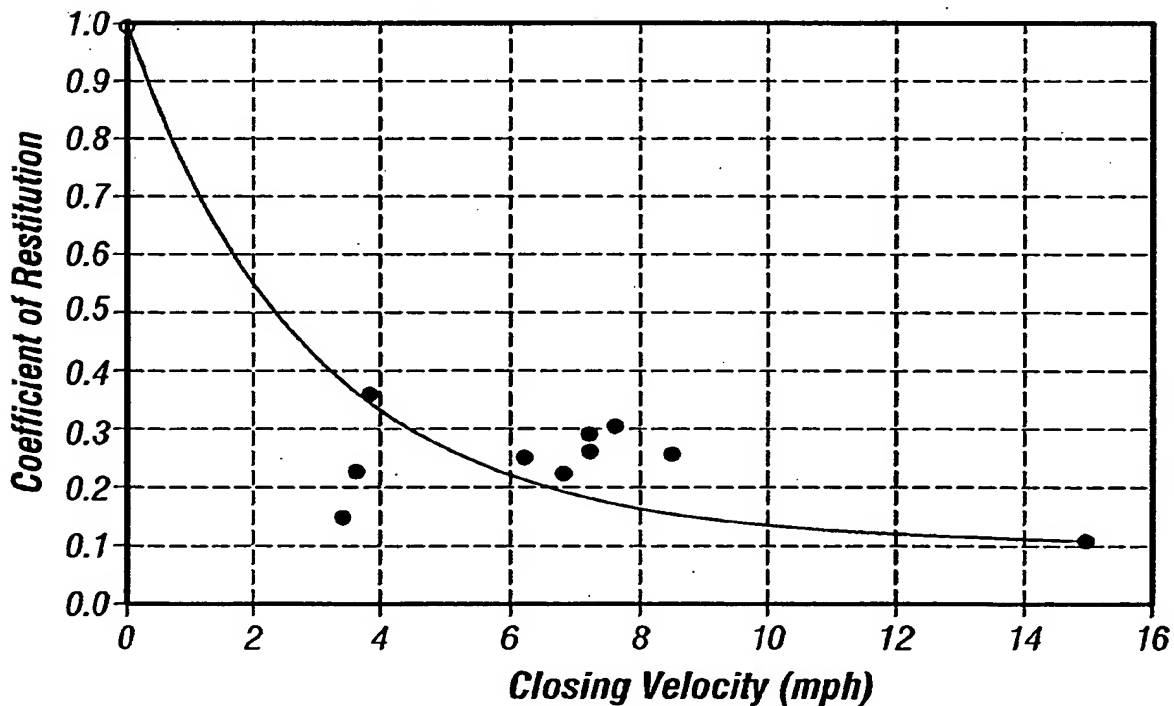


FIG.9

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WREPERT

File Import Injury Library Analysis Options Database Maintenance Feedback Help

Data Input Analysis Detail Report Notes

Source Data Claimant Data Vehicle Data Accident Data Damage Data Crush Data

Force Balancing Wizard

The amount of force of the damage to the Ford Escort does not match the force for the damage to the Nissan Sentra. The forces must balance for the analysis to be valid.

The force of the Ford Escort is less than the force for the Nissan Sentra. Please select the most appropriate adjustment if any from the following lists. The program will then try to balance the forces again.

42% 100% 1002 Balance Point

☐ Increase crush on the Ford Escort
☐ Decrease crush on the Nissan Sentra
☐ Change Vehicle Overlap
☐ Change Vehicle Override/Override Description
☐ No Change

OK

FIG.10